



# Perfect Engineering Services

## Metering Skid

### DESCRIPTION

A metering skid is a part of plant, pre-assembled on a steel support, dedicated to the measurement of gas or liquid products. In particular, the main variable to be measured is the flowrate. Depending on the selected technology and on the Client Specifications, the measured flowrate can be a mass flowrate or a volumetric flowrate. The metering skid often performs additional treatments, such as pressure-reduction by means of valves, filtration (depending on fluid cleanliness requirements for measurement), and flow control by means of flow control valves. Fiscal metering skids often include a calibration system (Prover) as well.



### THE METERING SKID MAIN COMPONENTS ARE

- The structural frame and supports
- The pipework
- The process equipment
- The electrical power feed, including the MCC, the earthing system, all cabling and trays
- The instrumentation including control valves, actuators, instrument primary elements, transmitters
- The local control system including PLC, flow computer, personal computer & printer (for the local control, print report and the interface with the plant DCS)